Supplementary Table 1. List of Arabidopsis mitochondrial proteins identified to date (416)

Proteins are listed in groups of broad functional category and the AGI number and gene description for each is recorded. Potential redundant paralog identifications are listed in detail in Supp Table 2, and proteins also identified in peroxisomal and/or chloroplastin proteome studies are listed in Supp Table 3. These are indicated with an asterisk in the Supp2 and Supp3 columns presented. The final columns indicate whether each has been found in gel based separations of the mitochondrial proteome (present, or not detected (ND)), or whether is has been identified from LC-MS/MS analysis of whole mitochondrial digests. LC-MS/MS data is reported on the number of independent experiments in which peptides from this protein have been identified (Exp.) the total redundant number of peptides identified in all experiments (No.) and the ProID peptide confidence score for each of these is shown as a range from the lowest peptide confidence (low) to the highest (high). When proteins have been identified on gels they are included despite lack of LC-MS/MS data or lower confidence LC-MS/MS data, however when no gel identification has been made, at least two peptide identities from two independent experiments was required for inclusion and only high confidence LC-MS/MS data was accepted for these matches based on low peptide numbers.

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Cellular Communication / Signal Transduction	At1g09210.1			putative calcium-binding protein, calreticulin	gel	0	0	0	0
	At1g56340.1			calreticulin (crt1)	gel	0	0	0	0
	At1g64210.1			leucine-rich repeat transmembrane protein receptor kinase	ND	3	3	93	97
	At1g69220.1			putative serine threonine kinase	ND	2	2	96	98
	At1g74360.1			leucine-rich repeat transmembrane protein kinase, putative	ND	2	2	96	98
	At2g26330.1			receptor-like protein kinase	ND	2	2	92	98
	At3g18040.1			mitogen-activated protein (MAP) kinase	ND	2	2	92	98
	At3g27560.1			putative protein kinase, ATN1	ND	2	4	97	98
	At3g45420.1			serine threonine receptor-like protein kinase	ND	2	2	97	98
	At3g52530.1			Probable serine/threonine- receptor protein kinase	ND	4	4	90	99
	At3g59820.1			Calcium-binding mitochondrial protein	ND	4	7	97	99
	At4g11010.1			nucleoside diphosphate kinase 3 (ndpk3)	gel	3	6	99	99
	At4g23290.1	*		serine/threonine receptor kinase - like protein	ND	2	2	97	98
	At4g23900.1			Nucleoside diphosphate kinase III, mitochondrial precursor	ND	2	3	99	99
	At5g02810.1			G-protein coupled receptor	ND	2	2	98	99
	At5g14210.1			leucine-rich repeat transmembrane protein kinase	ND	3	4	97	98
	At5g44090.1			protein phosphatase 2A 62 kDa B regulatory subunit	ND	2	2	93	98
	At5g50160.1			FRO1 and FRO2-like protein (NADPH oxidase)	ND	2	2	96	98
	At5g64990.1	*		GTP-binding protein, putative	ND	2	2	94	99
Cellular Structural Organization	At1g55545.1			similar to microtubule-based motor protein	ND	3	4	92	98
	At1g55550.1			kinesin-related protein	ND	2	2	96	98
	At3g12110.1	*		actin 11	ND	2	2	97	98
	At3g46520.1	*		actin 12	ND	2	2	97	98
	At3g61650.1			tubulin gamma-1 chain	ND	3	4	95	97
	At5g05620.1			tubulin gamma-2 chain	ND	3	3	90	97
	At5g09810.1			ACTIN 2/7	ND	2	2	97	98
	At5g59370.1	*		actin 4	ND	2	2	97	98

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Cellular Structure continued..	At5g59880.1			actin depolymerizing factor 3 - like protein	gel	0	0	0	0
Cellular Transport	At1g10680.1			P-glycoprotein, putative	ND	3	3	98	98
and Transport Mechanisms	At1g32050.1			secretory carrier membrane protein	ND	3	3	95	97
	At2g21410.1			proton-ATPase subunit	gel	0	0	0	0
	At2g22290.1			Ras-related protein	ND	2	2	94	99
	At3g01280.1		*	putative porin	gel	5	24	99	99
	At3g08580.1		*	adenylate translocator	gel	4	23	99	99
	At3g54110.1			uncoupling protein (ucp/PUMP)	gel	4	16	99	99
	At4g01100.1			mitochondrial carrier protein family	gel	4	6	99	99
	At4g28390.1	*	*	ADP,ATP carrier protein	gel	3	10	99	99
	At4g28620.1	*		ABC transporter family protein	ND	3	3	91	97
	At5g13490.1		*	adenosine nucleotide translocator	gel	3	14	99	99
	At5g14040.1			mitochondrial phosphate translocator	gel	4	17	99	99
	At5g15090.1		*	voltage-dependent anion-selective channel protein hsr2	gel	5	33	99	99
	At5g15640.1			mitochondrial carrier protein family	gel	2	2	98	99
	At5g19760.1		*	mitochondrial 2-oxoglutarate/malate translocator, putative	gel	4	13	99	99
	At5g46800.1			mitochondrial carrier protein family	ND	2	2	98	99
	At5g57490.1			porin-like protein	ND	4	7	99	99
	At5g58270.1		*	ABC transporter family protein	gel	2	2	92	95
	At5g67500.1		*	porin-like protein	gel	3	12	99	99
Defence Stress	At1g02930.1			glutathione transferase, putative	gel	0	0	0	0
and Detoxification	At1g02940.1			glutathione transferase, putative	ND	2	2	97	98
	At1g20620.1		*	catalase 3	ND	2	4	99	99
	At1g20630.1		*	catalase 1	ND	2	4	99	99
	At1g63940.1			monodehydroascorbate reductase	gel	3	7	99	99
	At1g79230.1			mercaptopyruvate sulfurtransferase (Mst1/Rdh1)	gel	4	8	99	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Defence Stress	At3g06050.1			peroxiredoxin	gel	4	7	99	99
and Detoxification continued..	At3g10920.1			manganese superoxide dismutase (MSD1)	gel	2	3	99	99
	At4g00860.1			stress-induced protein OZI1 precursor	gel	1	3	99	99
	At4g08390.1			ascorbate peroxidase, putative (sAPX)	gel	2	4	99	99
	At4g11170.1			disease resistance protein (TIR-NBS-LRR class), putative	ND	2	4	95	98
	At4g16940.1			disease resistance protein (TIR-NBS-LRR class) putative	ND	3	3	95	99
	At4g35090.1	*	*	catalase 2	ND	2	3	99	99
	At5g42150.1			Glutathione S-transferase	ND	2	4	98	99
	At5g47250.1			disease resistance protein (CC-NBS-LRR class)	ND	2	2	96	98
	At5g60640.1			protein disulfide isomerase precursor - like	gel	0	0	0	0
DNA Synthesis	At1g32580.1			DAG protein	gel	2	2	97	98
and Processing	At1g67630.1			putative DNA polymerase alpha subunit	ND	2	2	96	98
	At1g79950.1			transcription factor complex helicase subunit	ND	3	3	96	99
	At3g06790.1			DAG protein	ND	2	2	99	99
	At3g10270.1	*		DNA gyrase subunit B	ND	2	2	98	99
	At3g10690.1			DNA gyrase subunit A	ND	4	6	97	99
	At3g15000.1			DAG protein	gel	2	2	99	99
	At4g12080.1			AT-hook protein 2 probable DNA-binding protein	ND	2	2	96	98
	At5g04130.1			DNA gyrase subunit B - like protein	ND	2	3	98	99
Energy	At1g04630.1			NADH dehydrogenase B16.6 subunit	ND	3	5	94	99
	At1g16700.1			NADH dehydrogenase 23 kDa subunit	gel	1	1	99	99
	At1g22840.1			putative cytochrome C	ND	2	2	99	99
	At1g24180.1			pyruvate dehydrogenase E1 alpha subunit	gel	5	7	99	99
	At1g49140.1			NADH dehydrogenase PDSW subunit	gel	1	1	98	98
	At1g49670.1			probable NADPH:quinone reductase	ND	2	3	96	98
	At1g50940.1			electron transport flavoprotein alpha subunit, putative	gel	1	1	99	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Energy continued..	At1g51650.1			ATP synthase epsilon subunit	gel	1	2	96	96
	At1g53240.1			mitochondrial NAD-dependent malate dehydrogenase	gel	4	19	99	99
	At1g54220.1			Pyruvate Dehydrogenase dihydrolipoamide acetyltransferase	gel	2	5	99	99
	At1g59900.1			pyruvate dehydrogenase E1 alpha subunit, putative	gel	2	2	93	97
	At1g79010.1			NADH dehydrogenase 23 kDa subunit	gel	2	2	99	99
	At1g80230.1			cytochrome c oxidase subunit Vb, putative	gel	3	6	98	99
	At2g02050.1			NADH dehydrogenase B18 subunit	gel	2	2	98	99
	At2g05710.1			aconitate hydratase	gel	5	31	99	99
	At2g13560.1			NAD-malic enzyme (62 kDa subunit)	ND	4	10	99	99
	At2g17130.1			NAD-dependent isocitrate dehydrogenase subunit 2	ND	5	6	96	99
	At2g18450.1	*		putative succinate dehydrogenase flavoprotein subunit	ND	4	10	99	99
	At2g20360.1			NADH dehydrogenase 39 kDa subunit	gel	4	13	99	99
	At2g20420.1			succinyl-CoA ligase beta subunit	gel	5	26	98	99
	At2g20800.1			rotenone insensitive NADH-ubiquinone oxidoreductase	ND	3	4	96	97
	At2g21870.1			ATP synthase Fad subunit	gel	4	13	99	99
	At2g27730.1			ATP synthase inhibitor protein	gel	3	3	99	99
	At2g33040.1			ATP synthase gamma subunit	gel	4	14	99	99
	At2g33220.1			NADH dehydrogenase B16.6 subunit	gel	2	5	99	99
	At2g40765.1			ubiquinol cytochrome-c reductase 6.7 kDa subunit	gel	0	0	0	0
	At2g42210.1			probable NADH-ubiquinone oxidoreductase 21.3 kDa subunit	ND	2	2	99	99
	At2g44350.1			citrate synthase	gel	5	30	99	99
	At2g47380.1			cytochrome c oxidase Vc subunit	gel	1	1	95	95
	At2g47510.1			putative fumarase	gel	3	6	99	99
	At2g47690.1			NADH dehydogenase 15 kDa subunit	gel	0	0	0	0
	At3g03070.1			NADH dehydrogenase 13 kDa subunit	ND	3	4	96	99
	At3g03100.1			NADH-ubiquinone oxidoreductase subunit B17.2	gel	3	4	96	99
	At3g08610.1			NADH dehydrogenase MWFE subunit	gel	1	1	99	99
	At3g09805.1			putative isocitrate dehydrogenase (NAD+)	ND	4	8	99	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Energy continued..	At3g10860.1			Ubiquinol-cytochrome C reductase complex 8.2 kDa protein	gel	0	0	0	0
	At3g12260.1			NADH dehydrogenase B14 subunit	gel	4	9	99	99
	At3g13930.1		*	Pyruvate Dehydrogenase dihydrolipoamide acetyltransferase subunit (E2 subunit)	ND	3	4	98	99
	At3g15020.1			mitochondrial NAD-dependent malate dehydrogenase	gel	4	14	99	99
	At3g18410.1			NADH dehydrogenase PDSW subunit	gel	0	0	0	0
	At3g22360.1	*		alternative oxidase 1b precursor	ND	2	2	98	98
	At3g22370.1			alternative oxidase 1a	gel	4	4	98	98
	At3g27240.1			cytochrome c, putative	gel	4	13	99	99
	At3g27380.1			succinate dehydrogenase iron-protein subunit	gel	3	4	99	99
	At3g27620.1	*		alternative oxidase 1c precursor	ND	2	2	98	98
	At3g52200.1			Pyruvate Dehydrogenase dihydrolipoamide acetyltransferase subunit (E2 subunit)	gel	4	10	99	99
	At3g52300.1			ATP synthase d subunit	gel	5	8	98	99
	At3g52730.1			ubiquinol cytochrome-c reductase 8 kDa subunit	gel	2	2	99	99
	At3g55410.1			2-oxoglutarate dehydrogenase, E1 subunit - like protein	ND	5	26	99	99
	At3g60100.1	*		citrate synthase-like protein	ND	3	7	99	99
	At3g62790.1			NADH dehydrogenase 15 kDa subunit	gel	1	1	94	94
	At4g00570.1			NAD-malic enzyme 59 kDa subunit	ND	5	9	97	99
	At4g02580.1			NADH dehydrogenase 24 kDa subunit	gel	4	5	97	99
	At4g05020.1			Rotenone insensitive NADH ubiquinone oxidoreductase	ND	4	4	92	95
	At4g16450.1			NADH dehydrogenase 20.9 kDa	gel	2	2	99	99
	At4g26910.1			Dihydrolipoamide succinyltransferase subunit (E2 subunit)	gel	5	8	98	99
	At4g26970.1			aconitase	gel	4	13	99	99
	At4g28060.1			cytochrome-c oxidase oxidase chain VIb	gel	1	1	91	91
	At4g32470.1			ubiquinol cytochrome-c reductase 14 kDa subunit	gel	3	3	98	99
	At4g35260.1			NAD+ dependent isocitrate dehydrogenase subunit 1	gel	5	13	99	99
	At4g35650.1	*		NAD-dependent isocitrate dehydrogenase subunit 1	ND	4	4	98	99
	At4g35830.1			aconitate hydratase	ND	5	12	98	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Energy continued..	At4g37830.1			Cytochrome c oxidase polypeptide VIa	ND	4	6	97	99
	At4g37930.1	*		serine hydroxymethyltransferase like protein (SHMT)	ND	2	2	94	99
	At5g08300.1			succinyl-CoA-ligase alpha subunit	gel	3	12	99	99
	At5g08530.1			NADH dehydrogenase 51 kDa subunit	gel	3	7	99	99
	At5g08670.1	*		ATP synthase beta subunit	gel	5	65	99	99
	At5g08680.1	*		ATP synthase beta subunit	gel	5	65	99	99
	At5g08690.1	*	*	ATP synthase beta subunit	gel	5	65	99	99
	At5g11770.1			NADH dehydrogenase 20 kDa subunit	gel	2	2	99	99
	At5g13430.1			ubiquinol cytochrome-c reductase (REISKE subunit)	gel	2	3	99	99
	At5g13440.1			ubiquinol cytochrome-c reductase REISKE subunit	gel	2	3	99	99
	At5g13450.1			ATP synthase OSCP subunit (ATP5)	gel	5	23	99	99
	At5g14590.1			isocitrate dehydrogenase	ND	3	7	99	99
	At5g20080.1			cytochrome-b5 reductase - like protein	gel	3	9	98	99
	At5g23250.1			succinyl-CoA synthetase, alpha subunit	gel	3	7	99	99
	At5g25450.1			ubiquinol cytochrome-c reductase 14 kDa subunit	gel	2	2	99	99
	At5g37510.1			NADH dehydrogenase 75 kDa subunit	gel	4	10	98	99
	At5g40650.1			succinate dehydrogenase iron-protein subunit -like	gel	4	5	98	99
	At5g40810.1			cytochrome c1 precursor	ND	4	11	98	99
	At5g43430.1			electron transfer flavoprotein beta-subunit-like	ND	2	2	93	99
	At5g47030.1			ATP synthase delta chain subunit	gel	3	4	99	99
	At5g50850.1			pyruvate dehydrogenase E1 component beta subunit	gel	3	6	99	99
	At5g50950.1			fumarate hydratase	gel	2	2	99	99
	At5g52840.1			NADH dehydrogenase B13 subunit	gel	2	4	99	99
	At5g55070.1			Dihydrolipoamide succinyltransferase subunit (E2 subunit)	gel	5	9	98	99
	At5g65750.1			2-oxoglutarate dehydrogenase, E1 component	ND	4	16	99	99
	At5g66760.1			succinate dehydrogenase flavoprotein alpha subunit	gel	5	14	99	99
	At5g67590.1			NADH dehydrogenase 18 kDa subunit	gel	0	0	0	0
	AtMg00070			NADH dehydrogenase subunit 9	gel	2	2	94	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Energy continued..	AtMg00160			cytochrome c oxidase subunit 2	gel	1	1	94	94
	AtMg00220			apocytochrome B	gel	0	0	0	0
	AtMg00480			mitochondrial orfB (ATP8)	gel	4	9	99	99
	AtMg00510			NADH dehydrogenase subunit 7	gel	3	3	95	99
	AtMg00513			NADH dehydrogenase subunit 5	gel	0	0	0	0
	AtMg00516			NADH dehydrogenase subunit 1	gel	1	1	99	99
	AtMg00640			ATP synthase subunit 4	gel	1	1	98	98
	AtMg01190			ATP synthase alpha subunit	gel	4	48	99	99
Metabolism	At1g06570.1			4-hydroxyphenylpyruvate dioxygenase (HPD)	ND	2	2	96	98
	At1g10760.1		*	starch excess 1 (SEX1)	ND	2	2	96	98
	At1g13440.1			glyceraldehyde-3-phosphate dehydrogenase, putative	gel	1	2	98	98
	At1g14810.1			aspartate-semialdehyde dehydrogenase, putative	ND	2	4	98	99
	At1g15690.1		*	inorganic pyrophosphatase	gel	4	7	97	99
	At1g17290.1			alanine aminotransferase, putative	gel	1	1	99	99
	At1g32470.1			Glycine DC aminomethyltransferse subunit (H-protein)	ND	2	2	99	99
	At1g47260.1			ferripyochelin binding protein	gel	3	11	98	99
	At1g47420.1			Ferripyochelin binding protein	gel	5	15	99	99
	At1g48030.1			dihydrolipoamide dehydrogenase (E3)	gel	4	15	99	99
	At1g50460.1			hexokinase2, putative	ND	3	4	99	99
	At1g53000.1			CMP-KDO synthetase, putative	ND	2	2	99	99
	At1g56190.1	*		phosphoglycerate kinase, putative	ND	2	2	93	99
	At1g65290.1			acyl carrier protein	ND	3	4	99	99
	At1g79440.1			succinic semialdehyde dehydrogenase	gel	2	2	93	97
	At2g01140.1			putative aldolase	ND	2	3	94	98
	At2g14170.1			putative methylmalonate semi-aldehyde dehydrogenase	gel	1	2	99	99
	At2g15620.1			ferredoxin--nitrite reductase	ND	2	3	98	98
	At2g18700.1			putative trehalose-6-phosphate synthase	ND	3	3	90	98

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Metabolism continued..	At2g19860.1			hexokinase2 (ATHXK2)	ND	2	3	95	99
	At2g21170.1			putative triosephosphate isomerase	ND	2	3	99	99
	At2g26080.1		*	glycine decarboxylase P protein	ND	3	6	99	99
	At2g30970.1			aspartate aminotransferase (AAT1)	gel	4	8	98	99
	At2g33150.1			3-ketoacyl-CoA thiolase	gel	3	3	94	99
	At2g35120.1			Glycine DC Aminomethyltransferase H Subunit	gel	0	0	0	0
	At2g38670.1			putative phospholipid cytidylyltransferase	ND	3	4	99	99
	At2g43750.1		*	cysteine synthase (cpACS1)	gel	0	0	0	0
	At3g01910.1			putative sulfite oxidase	ND	2	2	93	99
	At3g03910.1			glutamate dehydrogenase	gel	2	2	99	99
	At3g04120.1			glyceraldehyde-3-phosphate dehydrogenase C	gel	1	2	98	98
	At3g06850.1			Branched Chain DC Dihydrolipoyl Transacylase (E2 subunit)	gel	3	4	99	99
	At3g07480.1			adrenodoxin	gel	3	5	98	99
	At3g10370.1			putative glycerol-3-phosphate dehydrogenase	ND	4	6	98	99
	At3g11670.1			digalactosyldiacylglycerol synthase	ND	3	3	91	99
	At3g12780.1			phosphoglycerate kinase, putative	ND	2	2	93	99
	At3g14270.1			phosphoinositide kinase	ND	2	3	91	99
	At3g17240.1			dihydrolipoamide dehydrogenase (E3)	gel	5	17	99	99
	At3g19480.1	*		putative D-3-phosphoglycerate dehydrogenase	ND	2	2	97	99
	At3g20040.1	*		hexokinase, putative	ND	2	2	99	99
	At3g22200.1			aminotransferase, putative	gel	5	16	99	99
	At3g45300.1			Isovaleryl-CoA-dehydrogenase precursor (IVD)	gel	3	3	95	99
	At3g45770.1			enoyl thioester reductase	ND	2	3	99	99
	At3g47520.1		*	NAD-dependent malate dehydrogenase	ND	2	2	99	99
	At3g47930.1			L-galactono-1,4-lactone dehydrogenase	gel	4	12	99	99
	At3g48000.1			aldehyde dehydrogenase (NAD+)-like protein	gel	3	6	99	99
	At3g48680.1			ferripyochelin binding protein	gel	4	9	99	99
	At3g55440.1			triose-phosphate isomerase	ND	2	2	97	98

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Metabolism continued..	At3g58610.1		*	ketol-acid reductoisomerase	ND	3	5	99	99
	At3g59760.1			cysteine synthase	gel	3	3	99	99
	At3g61440.1			cysteine synthase AtcysC1	gel	3	3	98	99
	At4g10750.1			aldolase	ND	2	2	96	98
	At4g15940.1			isomerase like protein	gel	1	1	90	90
	At4g29130.1			hexokinase2	ND	3	6	99	99
	At4g31500.1			cytochrome p450 family	gel	0	0	0	0
	At4g31810.1			Enoyl-CoA hydratase	gel	0	0	0	0
	At4g33010.1		*	Glycine decarboxylase P protein	ND	3	5	99	99
	At4g34200.1			Phosphoglycerate dehydrogenase - like protein	ND	2	3	99	99
	At4g39660.1			Alanine-glyoxylate aminotransferase 2	ND	4	5	98	99
	At5g03290.1			Isocitrate dehydrogenase [NAD] subunit alpha	ND	5	6	97	99
	At5g07440.1			glutamate dehydrogenase 2	gel	4	14	99	99
	At5g09300.1			Branched Chain Alpha-Keto Acid Dehydrogenase (E1alpha)	ND	2	2	95	99
	At5g10860.1			inosine 5-monophosphate dehydrogenase	gel	4	13	99	99
	At5g13420.1			transaldolase - like protein	ND	2	2	97	99
	At5g13630.1			Magnesium-chelatase subunit H	ND	3	3	96	97
	At5g14780.1			formate dehydrogenase (FDH)	gel	2	5	99	99
	At5g18070.1			N-acetylglucosamine-phosphate mutase	ND	3	3	92	97
	At5g18170.1			glutamate dehydrogenase	gel	4	10	99	99
	At5g23300.1			dihydroorotate dehydrogenase precursor	gel	3	5	99	99
	At5g26780.1			serine hydroxymethyltransferase - like protein (SHMT)	ND	5	10	99	99
	At5g41670.1			6-phosphogluconate dehydrogenase	ND	3	6	98	99
	At5g42650.1		*	Cytochrome P450 (allene oxide synthase)	ND	3	3	90	98
	At5g43780.1			ATP sulfurylase precursor	ND	2	2	99	99
	At5g49555.1			phytoene dehydrogenase (phytoene desaturase)	ND	3	3	97	99
	At5g50370.1			adenylate kinase	ND	4	7	99	99
	At5g57300.1			ubiquinone biosynthesis methyltransferase COQ5	gel	1	1	99	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Metabolism continued..	At5g58330.1		*	NADP-dependent malate dehydrogenase	ND	3	3	94	99
	At5g62530.1			aldehyde dehydrogenase	gel	2	3	95	99
	At5g63400.1			adenylate kinase	gel	4	12	99	99
	At5g63510.1			ferripyochelin binding protein	gel	4	9	99	99
	At5g65720.1			Cysteine desulfurase, mitochondrial precursor	ND	2	8	99	99
	At5g66510.1			ferripyochelin binding protein	gel	2	3	98	98
Miscellaneous Function	At1g20720.1			CHL1 - like protein. cell cycle associated	ND	3	3	92	98
	At2g39795.1			Mitochondrial acidic matrix protein	gel	2	3	98	99
	At4g27585.1			stomatin	ND	4	12	99	99
	At5g54100.1			stomatin membrane protein	gel	2	2	99	99
Protein Fate	At1g03860.1			putative prohibitin 2	gel	4	12	99	99
	At1g07510.1	*		respiratory chain complexes assembly protein	ND	3	3	92	96
	At1g09130.1		*	ATP-dependent Clp protease proteolytic subunit (ClpR3)	ND	2	3	96	98
	At1g14980.1			10 kDa chaperonin (CPN10)	gel	4	9	99	99
	At1g15220.1			Cytochrome c-type biogenesis protein	ND	2	2	94	98
	At1g23100.1			10kDa chaperonin (CPN10), putative	ND	3	4	99	99
	At1g27390.1			putative protein import receptor 20	ND	2	2	99	99
	At1g51980.1			mitochondrial processing peptidase alpha subunit	gel	5	39	99	99
	At1g55900.1			top homolog to yeast Tim50	ND	2	2	98	98
	At1g61570.1			Translocase of Inner Membrane 13	ND	2	3	99	99
	At1g72750.1			translocase of inner membrane 23	ND	2	3	99	99
	At1g73260.1			trypsin inhibitor (protease inhibitor)	ND	2	2	96	98
	At1g79940.1			putative heat shock DnaJ protein	ND	2	4	95	98
	At2g04030.1		*	putative heat shock protein 90	gel	4	17	99	99
	At2g19080.1			Metaxin import component	ND	3	5	99	99
	At2g20530.1			prohibitin	gel	3	8	99	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Protein fate continued..	At2g28000.1		*	chaperonin 60	gel	3	8	97	99
	At2g29080.1			putative AAA-type ATPase	ND	4	5	95	99
	At2g33210.1			mitochondrial chaperonin (HSP60)	gel	5	20	99	99
	At3g02090.1			mitochondrial processing peptidase beta subunit	gel	4	40	99	99
	At3g05780.1	*		Lon protease, putative	ND	2	3	98	99
	At3g07770.1			heat-shock protein 90	gel	4	23	99	99
	At3g13470.1		*	chaperonin 60 beta	ND	2	3	97	99
	At3g13860.1			mitochondrial chaperonin HSP60	ND	5	12	99	99
	At3g16480.1	*		mitochondrial processing peptidase alpha subunit	ND	3	9	99	99
	At3g17910.1			cytochrome c oxidase assembly factor (surfeit 1)	ND	2	3	95	98
	At3g20000.1			membrane import protein 40, putative	gel	1	1	96	96
	At3g23990.1			mitochondrial chaperonin HSP60	gel	4	16	99	99
	At3g27280.1			prohibitin, putative	gel	5	13	98	99
	At3g28520.1			BCS1-like protein	ND	2	2	97	99
	At3g48870.1		*	ATP-dependent Clp protease ATP-binding subunit (ClpC2)	ND	2	2	93	99
	At3g50930.1			BCS1 protein-like	ND	3	3	95	98
	At4g07670.1			putative peptidase	ND	4	4	94	99
	At4g17740.1		*	Carboxyl-terminal processing protease	ND	3	3	94	98
	At4g24190.1	*		Heat Shock Protein 90-like protein	ND	2	4	99	99
	At4g27880.1			involved in ubiquitin-dependent protein catabolism	ND	2	2	93	98
	At4g28510.1			prohibitin-like protein	gel	4	12	99	99
	At4g37910.1			heat shock protein 70 like protein	gel	5	48	99	99
	At5g09420.1			putative subunit of TOC complex	ND	2	2	98	99
	At5g09590.1			heat shock protein 70 (Hsp70-5)	gel	5	35	99	99
	At5g14300.1	*		prohibitin - like protein	ND	2	3	95	99
	At5g23140.1			ATP-dependent Clp protease proteolytic subunit (ClpP2)	gel	3	7	98	99
	At5g26860.1			Lon protease homolog 2 precursor	ND	2	5	98	99
	At5g40770.1			prohibitin	gel	5	18	99	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Protein fate continued..	At5g42390.1			Probable zinc protease (pitrilysin)	ND	2	2	96	98
	At5g44140.1			prohibitin	gel	3	3	99	99
	At5g50920.1	*	*	ATP-dependent Clp protease ATP-binding subunit (ClpC1)	ND	2	2	93	99
	At5g51220.1			C3BP gene for complex III mito expression	ND	2	2	98	99
	At5g52060.1			putative BAG-family molecular chaperone regulator-1	ND	2	2	93	98
	At5g53170.1			FtsH protease, putative	ND	2	2	96	98
	At5g55200.1			chaperone GrpE-like protein	gel	1	1	87	87
	At5g56500.1			chaperonin 60 kDa	ND	2	2	98	99
	At5g61790.1			calnexin - like protein	gel	0	0	0	0
Protein Synthesis	At1g07920.1	*		elongation factor 1-alpha (EF-1-alpha)	ND	3	6	99	99
	At1g07930.1	*		elongation factor 1-alpha (EF-1-alpha)	ND	3	6	99	99
	At1g07940.1	*		elongation factor 1-alpha (EF-1-alpha)	ND	3	6	99	99
	At1g22660.1			tRNA adenylyltransferase	ND	3	4	92	94
	At1g45332.1			mitochondrial elongation factor, putative	ND	4	8	99	99
	At1g70190.1			putative 50S ribosomal protein L7/L12	ND	2	3	99	99
	At2g45030.1			mitochondrial elongation factor, putative	gel	4	8	99	99
	At3g01800.1			putative ribosome recycling factor	ND	2	2	99	99
	At3g17465.1			ribosomal protein L3	ND	3	4	96	99
	At3g55400.1			methionyl-tRNA synthetase (AtcpMetRS)	ND	3	4	97	99
	At4g02930.1			mitochondrial elongation factor Tu	gel	5	39	99	99
	At4g11120.1			putative translation elongation factor ts	gel	2	2	96	99
	At5g60390.1	*		elongation factor 1-alpha (EF-1-alpha)	ND	3	6	99	99
	At5g61030.1			glycine-rich RNA-binding protein	gel	0	0	0	0
	At5g66860.1			Probable 50S ribosomal protein L25	ND	2	2	97	99
RNA Processing	At1g11630.1			PPR like protein	ND	2	2	91	99
	At1g26460.1			PPR like protein	ND	4	5	98	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
RNA processing continued..	At1g55890.1			PPR like protein	ND	3	4	94	98
	At1g60770.1			PPR like protein	ND	2	2	96	98
	At1g61870.1			PPR like protein	ND	2	2	99	99
	At3g13160.1			PPR like protein	ND	3	6	99	99
	At3g22330.1			putative RNA helicase	gel	5	12	98	99
	At3g26560.1			ATP-dependent RNA helicase	ND	2	2	95	98
	At3g26780.1			PPR like protein	ND	3	3	92	98
	At3g60960.1			PPR like protein	ND	2	2	99	99
	At4g13850.1			glycine-rich RNA-binding protein AtGRP2	gel	5	9	99	99
	At4g35850.1			PPR like protein	gel	2	3	97	99
	At4g36680.1			PPR like protein	ND	2	2	97	99
	At5g12290.1			NCA2, stability of mitochondrial encoded Atp6 and Atp8	ND	2	3	99	99
Transcription	At1g07900.1			asymmetric leaves2-like protein 8	gel	0	0	0	0
	At1g61980.1			Transcription termination factor precursor (mTERF)	ND	2	2	93	99
	At1g66470.1			bHLH protein	ND	2	2	93	98
	At1g75510.1			transcription initiation factor, putative	ND	2	2	93	98
	At2g24120.1			single subunit DNA-dependent RNA polymerase	ND	2	2	97	99
	At2g30470.1			putative VP1/ABI3 family regulatory protein	ND	3	3	93	98
	At4g12240.1			Zinc finger, C2H2 type	ND	3	4	96	98
	At5g02660.1			C2H2 domain for DNA-binding	ND	2	2	92	98
Unclassified Protein	At1g06530.1			Myosin heavy chain - like	gel	2	2	99	99
	At1g08480.1			expressed protein	gel	0	0	0	0
	At1g17350.1			unknown protein	gel	0	0	0	0
	At1g19140.1			expressed protein	ND	3	3	98	99
	At1g20430.1			expressed protein	ND	2	2	98	99
	At1g22520.1			expressed protein	gel	1	1	98	98

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Unclassified protein continued…	At1g26710.1			expressed protein	ND	2	3	95	99
	At1g50500.1			unknown protein	ND	2	2	97	98
	At1g55860.1	*		unknown function	ND	3	3	98	99
	At1g58230.1			Lipopolysaccharide-responsive WD-repeat protein	ND	2	2	97	98
	At1g64960.1			hypothetical protein	ND	3	3	94	98
	At1g70320.1			unknown protein	ND	3	3	98	99
	At1g72170.1			unknown protein	gel	0	0	0	0
	At1g72270.1			hypothetical protein	ND	3	4	92	98
	At1g78120.1			unknown protein	ND	2	3	97	99
	At2g04190.1			unknown protein	ND	2	2	95	98
	At2g16460.1			expressed protein	gel	4	7	99	99
	At2g21640.1			unknown protein	gel	0	0	0	0
	At2g23370.1			hypothetical protein	ND	2	2	95	99
	At2g24915.1			hypothetical protein	ND	2	2	98	99
	At2g28180.1			hypothetical protein	ND	2	2	98	98
	At2g34730.1			putative myosin heavy chain	ND	3	3	93	98
	At2g40800.1	*		unknown protein	ND	2	2	99	99
	At2g41380.1			putative embryo-abundant protein	gel	2	2	99	99
	At2g43780.1			hypothetical protein	ND	3	3	98	99
	At2g44950.1			unknown protein	ND	2	2	96	98
	At2g45060.1			expressed protein	ND	3	10	99	99
	At2g45250.1			unknown protein	ND	3	3	96	97
	At2g46540.1			expressed protein	ND	3	4	99	99
	At3g10260.1			Reticulon 4 (Neurite outgrowth inhibitor)	ND	2	3	94	99
	At3g16230.1			unknown protein	ND	2	2	92	98
	At3g30655.1			hypothetical protein	ND	2	2	96	98
	At3g55250.1			putative protein	ND	2	2	98	98
	At3g56430.1			putative protein	ND	3	3	95	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Unclassified protein continued…	At3g57785.1			Expressed protein	gel	0	0	0	0
	At3g58840.1			putative protein	ND	2	2	99	99
	At3g62460.1			putative protein	ND	2	2	99	99
	At3g62530.1			putative protein	gel	5	16	99	99
	At4g01180.1			hypothetical protein	ND	3	3	93	97
	At4g05590.1			putative protein	ND	2	2	97	99
	At4g14695.1			unknown protein (light inducible)	ND	2	2	97	99
	At4g15640.1			unknown protein	ND	2	3	98	99
	At4g21105.1			Expressed protein	ND	2	2	95	99
	At4g22310.1			putative protein	ND	2	5	97	99
	At4g23885.1			Expressed protein	ND	2	3	99	99
	At4g24200.1			hypothetical protein	ND	2	2	96	98
	At4g35730.1			putative protein	ND	3	3	98	99
	At4g38070.1			hypothetical protein	ND	3	4	93	99
	At4g39690.1			unknown protein	gel	3	9	99	99
	At5g01630.1			putative protein	ND	2	2	93	98
	At5g04860.1			unknown protein	ND	2	2	93	99
	At5g06440.1			putative protein	ND	2	2	92	98
	At5g08060.1			expressed protein	ND	2	2	95	99
	At5g08660.1			hypothetical protein	ND	2	2	97	98
	At5g08720.1			unknown protein	ND	2	3	97	98
	At5g09840.1			putative protein	ND	2	2	93	99
	At5g13610.1			putative protein	gel	1	1	86	86
	At5g19950.1			putative protein	ND	2	3	95	98
	At5g23060.1			putative protein	ND	2	3	98	98
	At5g25940.1			unknown protein	ND	4	8	99	99
	At5g26910.1			putative protein	ND	3	3	94	97
	At5g27540.1			putative protein	ND	3	4	99	99

Functional Category	AGI number	Supp2	Supp3	Description	gel	Exp	No.	Low	High
Unclassified protein continued..	At5g34890.1			putative protein	ND	2	3	97	98
	At5g39410.1		*	expressed protein	ND	3	4	96	99
	At5g41350.1			expressed protein	ND	2	2	97	98
	At5g41970.1			GAMM1 protein-like	gel	0	0	0	0
	At5g47580.1			putative protein	ND	2	3	97	98
	At5g47690.1			putative protein	ND	2	2	95	99
	At5g54780.1			putative protein	ND	2	2	92	98
	At5g55660.1			putative protein	ND	2	2	94	98
	At5g57440.1			GS1-like protein	ND	2	2	96	98